If you are using a printed copy of this procedure, and not the on-screen version, then you MUST make sure the dates at the bottom of the printed copy and the on-screen version match. The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A.

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

1.10.2.c Collider-Accelerator EMS Document Flow-Down Matrix

Text Pages 2 through 7

C-A OPM Procedures in which this Attachment is used.				
1.10.2				

Hand Processed Changes

HPC No.	<u>Date</u>	Page Nos.	<u>Initials</u>	
	Annroyad	Signatura on File		
		Signature on File ider-Accelerator Departn	nent Chairman	Date

M. Van Essendelft

C-A Department Environmental Management System Documentation Flow-Down

ISO Elements	C-A Contact	<u>Laboratory Level MSD /SA/ Document</u>	<u>C-A</u> <u>Procedure/</u> Document	C-A Records
Environmental policy	 C A Department Chairman Associate Chair for ESHQ 	Environmental Stewardship Policy	• OPM 1.10	• N/A
Environmental aspects	 Associate Chair for ESHQ Environmental Compliance Representative 	 Work Planning and Control MSD Process Assessment SA Identification of Significant Environmental Aspects and Impacts SA Hazard Analysis SA Accelerator Safety SA 	 Process Evaluations OPM 2.28 OPM 2.29 OPM 9.1.12 OPM 9.1.15 OPM 9.2.1 OPM 9.3.1 	Environmental Aspects Matrix Summary of Significant Environmental Aspects
Legal & other requirements	 Environmental Compliance Representative 	 Requirements Management SA Laboratory-Wide Procedures and Guidelines SA Requesting SBMS Variances SA Brookhaven National Laboratory Pollution Prevention Program Description Pollution Prevention and Waste Minimization SA National Environmental Policy Act (NEPA) and Cultural Resource Evaluations SA Groundwater Protection Contingency SA Environmental Monitoring SA Accelerator Safety SA 	• N/A	Environmental Management Program forms(for each Process Evaluation)
Objectives and targets	 Associate Chair for ESHQ C-A Quality Manager 	 Integrated Planning MSD Integrated Assessment Subject Area Critical Outcome Performance Measures SA BNL Critical Outcomes/ Objectives/ Performance Measures Identification of Significant Environmental Aspects and Impacts SA FY04 Lab-level Environmental Objectives with Suggested Targets 	• N/A	Environmental Management Program forms (for each Process Evaluation)
Environmental Management Program	* ESH Coordinator	Integrated Planning MSD Identification of Significant Environmental Aspects and Impacts SA FY04 Lab-level Environmental Objectives with Suggested Targets	• N/A	Environmental Management Program forms (for each Process Evaluation)

ISO Elements	C-A Contact	<u>Laboratory Level MSD /SA/</u> <u>Document</u>	<u>C-A</u> <u>Procedure/</u> Document	<u>C-A Records</u>
Structure and responsibility Training, awareness, and competence	 Associate Chair for ESHQ C-A Quality Manager C-A Training Manager 	 Human Resources MSD Environmental MSD BNL Organizational Chart Training and Qualifications MSD Training and Qualifications SA New Employee Form and Procedures Contractor/ Vendor Form and Procedure Job Hazard Training Assessment Tool Environmental Protection Course 	 C-A personnel R2A2s OPM 1.10 OPM 1.12 C-A personnel JTAs C-A job specific EMS training courses 	EMS reports to top management by management representative BTMS records
Communication	❖ Associate Chair for ESHQ	 Guests & Visitors SA Internal Communications MSD External Communications MSD EMS Program Communications Plan Correspondence and Commitment Tracking SA BNL Community Involvement Plan Community Involvement in Lab Issues SA 	 OPM 1.10.3 OPM 2.12 C-A Web Site CCTS 	CCTS correspondence (from outside parties, C-A decisions and responses) Checklists for Identifying Issues and Decisions that may Require Community Involvement
EMS Documentation	 Environmental Compliance Representative C-A Quality Office 	 ISO 14001 "Plus" EMS Manual BNL Environmental Management System Description 	 C-A OPM 1.10.2 C-A-ATT-1.10.2.b C-A-ATT-1.10.2.c Process Evaluations 	• N/A

ISO Elements Document Control	C-A Contact ❖ C-A Quality Office	Laboratory Level MSD /SA/ Document Laboratory-Wide Procedures and Guidelines SA Internal Controlled Documents SA	C-A Procedure/ Document OPM 13.4 (all) OPM 1.1 OPM 1.2 OPM 1.4	C-A Records Obsolete EMS records suitably identified and archived
Operational Control	 ❖ Associate Chair for ESHQ ❖ Environmental Compliance Representative ❖ ESH Coordinator 	 Work Planning and Control for Experiments and Operations SA Process Assessments SA Identification of Significant Environmental Aspects and Impacts SA Internal Controlled Documents SA Operational Readiness Evaluation SA Accelerator Safety SA 	OPM 1.19 OPM 2.28 OPM 2.29 OPM 2.5 OPM 2.5.1 OPM 2.5.2 OPM 6.1.10 OPM 6.1.11 OPM 9.1.15 OPM 9.2.1 OPM 9.3.1 TPL 02-01 TPL 02-02 TPL 02-03	Operational Control Forms (for each Process Evaluation) Process assessment form/ Corrective action tracking database (ESD) Communication/ correspondence concerning procedures & requirements to suppliers and outside contractors
Emergency preparedness and response	❖ ESH Coordinator	 Emergency Preparedness and Off-Normal Event Reporting MSD Emergency Response Services MSD Emergency Preparedness SA Spill Response SA Groundwater Protection Contingency Plan SA 	OPM Chapter 3OPM 10.1OPM 10.2	See ORPS Documentation

ISO Elements	C-A Contact	<u>Laboratory Level MSD /SA/</u> <u>Document</u>	<u>C-A</u> <u>Procedure/</u> Document	C-A Records
Monitoring and measurement	* Associate Chair for ESHQ Environmental Compliance Representative	 Environmental Monitoring SA Calibration SA Environmental Assessments SA Integrated Planning MSD Hazardous Waste Management SA Liquid Effluents SA Mixed Waste Management SA PCB Management SA Radioactive Airborne Emissions SA Radioactive Waste Management SA Storage and Transfer of Hazardous and Non-Hazardous Materials SA Drinking Water SA Under Injection Control (UIC) SA Non-Radioactive Airborne Emissions 	 OPM 1.14 OPM 6.1.10 OPM 8.16.1 OPM 8.16.2 OPM 8.16.3 OPM 8.16.4 OPM 8.16.5 OPM 8.16.6 OPM 8.18.1 OPM 8.18.1a OPM 8.18.5 OPM 8.20 OPM 8.20.1 OPM 8.20.2 OPM 8.22 OPM 8.31 OPM 9.5.12 OPM 2.30 OPM 2.19 	 Performance tracking data Weekly analytical results on cooling system water (Drew) Monthly SPDES sampling and DMR (ESD) Chemical Management System (PE) Cryogenic Shift Log MCR Shift Log MCR Shift Log Geomembrane Cap inspection records (beam stops & collimators) Radioactive Waste Inventory Sheet (8.20.2.a) Radioactive Waste Control Form (8.20.2.b) Deionizer Maintenance Form (8.31.c) Acid Flushing (8.31.g) Water Systems Status of Equipment (8.16.1.a) Annual NESHAPs report RCT analytical reports Authorization memos for the clearance of waste oil to be burned at the CSF PCB inventory record NYSDEC permits for bead blaster and machine shop Hood Logbook estimates for air emissions

ISO Elements	C-A Contact	<u>Laboratory Level MSD /SA/</u> <u>Document</u>	<u>C-A</u> <u>Procedure/</u> <u>Document</u>	C-A Records
Nonconformance & corrective and	❖ C-A Quality Office	Nonconformances SA Connection and Proportion Action SA	• OPM 13.3.2	Monthly Inspection Checklist for Storage Tanks/Portable containers/Bulk Storage (1.14.a) Quarterly Inspection Checklist for Outdoor Storage/Work areas (1.14.b) Tanker Operations Log (1.14.d) Sample Analysis from Known Beam Loss Locations Non-conformance and corrective & preventive
preventive action		 Corrective and Preventive Action SA Occurrence Reporting and Processing System SA Critique SA Lessons Learned SA 		corrective & preventive action reports Tier I Inspection Records/Tracking Database QA Assessments/Tracking Database Changes in documentation
				resulting from an Environmental NCR
Records	❖ C-A Quality Office	Records Management SA	• OPM 13.4.1	Training records
EMS audit	❖ C-A Quality Office	 Integrated Assessment Program Environmental Assessments SA Integrated Assessment SA 	OPM 13.10.1 C-A Self- Assessment Program	 C-A EMS Audit Report & schedule DOE-EH ISME Report C-A Management Assessment Procedure (and assessment schedule)

ISO Elements	C-A Contact	<u>Laboratory Level MSD /SA/</u> <u>Document</u>	<u>C-A</u> <u>Procedure/</u> Document	C-A Records
Management review	❖ Associate Chair for ESHQ	 Environmental Assessments SA Integrated Assessment Program Integrated Assessment SA 	C-A Self- Assessment Program	 C-A EMS Management Review Schedule C-A EMS Management Review Presentation C-A EMS Management Review Minutes C-A EMS Record of Decision